

HSIP-31-2(111) *JUNCTION N-31/N-36*; CN 22530

LOCATION: This proposed project is located at the junction of Nebraska Highway 31 (N-31) and Nebraska Highway 36 (N-36) approximately four miles west of Bennington and six miles north of Omaha (Elkhorn) in Douglas County.

PURPOSE AND NEED: The purpose of this proposed project is to reduce the frequency and severity of crashes at the N-31/N-36 junction, improve the mobility of the traveling public, and improve the reliability of the transportation system. The need for this project is based on studies that demonstrate the intersection has experienced a higher-than-average rate of severe right-angle crashes.

NDOR Traffic Division conducted an Alternative Analysis Study for this project to determine the intersection improvement that would best address the crash trends at this intersection. NDOR's Safety Committee also investigated this project to determine which type of intersection improvement would most efficiently mitigate the incidence of right angle crashes at this intersection. The Traffic Engineering study and the NDOR Safety Committee report both proposed constructing a modern rural roundabout intersection to address the purpose and need.

SCOPE OF WORK: The proposed improvement is a single-lane, modern rural roundabout intersection. A curbed section of the proposed roadway with medians would be constructed on each of the four approach roadways to the roundabout. Grading of the junction's approach areas, new lighting, signing, and pavement lane markings would be part of the proposed improvements.

TRAFFIC VOLUMES:

	N-31		N-36	
Year	2017	2037	2017	2037
Vehicles Per Day (ADT)	3,780	5,380	4,450	6,410
% Heavy Trucks	10%	10%	16%	16%

CONSTRUCTION SCHEDULE: Construction is tentatively scheduled to begin as early as spring of 2016 and estimated to be completed the following year.

ACCOMMODATION OF TRAFFIC: The proposed construction would be completed without detouring N-31 and N-36 traffic. One-lane signalized construction zones and temporary roads, including temporary widening and surfacing, would be required to accommodate traffic. Local access would be maintained to the extent practical during construction.

RIGHT-OF-WAY: Some permanent property right acquisitions for right-of-way (ROW) are anticipated in the project area as well as temporary easements (TE) for construction and temporary roads.

POTENTIAL IMPACTS: Minor (less than an acre) permanent wetland impacts associated with the project are anticipated. Mitigation would occur on the project or at a regional wetlands bank if necessary. Resurfacing of the N-31 roadway from Elkhorn north to U.S. Highway 30 (US-30) is scheduled for 2014 with the **STP-31-2(110) *Elkhorn North*; C.N. 21911** project.

ESTIMATED COST: The cost of the project is approximately \$2.91 million. Anticipated funding would originate from both federal and state sources.

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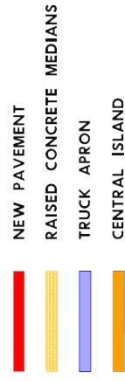
JUNCTION N-31/N-36



SEC. 1-T16N-R10E

SEC. 12-T16N-R10E

LEGEND



PRELIMINARY PLAN
NOT FINAL - SUBJECT TO CHANGE

Send comments to:

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